

**CLAIMS**

We claim:

- 1           1.     A method comprising:  
2           receiving a sequence of image data to compress; and  
3           specifying scalar quantization with a power of two step size using  
4           three bit values to apply to the sequence of image data.
- 1           2.     The method defined in Claim 1 further comprising:  
2           coding bitplanes specified for application of the scalar quantization.
- 1           3.     The method defined in Claim 2 wherein non-specified bit  
2           planes are not coded.
- 1           4.     The method defined in Claim 1 wherein the three bit values  
2           specify whether to a number of bit planes to truncate.
- 1           5.     The method defined in Claim 1 wherein the three bit values  
2           specify 0, 1, 2, 3, 4, 5, 6, or all bit planes for truncation.

1           6.     The method defined in Claim 1 wherein specifying scalar  
2     quantization comprises specifying scalar quantization for individual frames  
3     of a motion video sequence.

1           7.     The method defined in Claim 6 wherein the video sequence  
2     comprises a motion JPEG 2000 Standard video sequence.

1           8.     The method defined in Claim 1 further comprising writing the  
2     three bit values to a controller to cause the controller to control compression  
3     hardware.

1           9.     An apparatus comprising:  
2                 means for receiving a sequence of image data to compress; and  
3                 means for specifying scalar quantization with a power of two step  
4     size using three bit values for the compressed data.

1           10.    The apparatus defined in Claim 9 further comprising means  
2     for coding bitplanes specified for application of the scaler quantization.



1           17.    An apparatus for compressing image data comprising:  
2           a controller to specify scalar quantization with a power of two step  
3           size using three bit values to be applied to the image data; and  
4           a compressor coupled to the controller to compress a sequence of  
5           image data to create compressed data, the compressor comprising a  
6           quantizer responsive to the scalar quantization specified by the controller to  
7           quantize the image data.

1           18.    The apparatus defined in Claim 13 wherein the compressed  
2           data is compliant with the JPEG 2000 Standard.

1           19.    The method defined in Claim 17 further comprising: coding  
2           bitplanes specified for application of the scalar quantization.

1           20.    An article of manufacture comprising one or more recordable  
2           media having executable instructions stored thereon which, when executed  
3           by a machine, cause the machine to:  
4           receive a sequence of image data to compress; and

- 5 specify scalar quantization with a power of two step size using three
- 6 bit values for the compressed data.